



EAST ALTON, ILLINOIS 62024

September 9, 1982

EPA Region 5 Records Ctr.



382825

Mr. Miles Morse  
USEPA Office Of Solid Waste  
401 M. Street S.W.  
Washington, D.C. 20460

Re: Petition to exclude pretreated waste water generated  
by Olin Corporation at East Alton, IL from 40 CFR  
{ 261.3(a)(2)(ii) and { 261.3(c).

Dear Mr. Morse:

Per your request, analysis of Olin Zone 6 WWTF Emergency Holding Lagoon Sludge has been performed using standard additions procedures for Hexavalent Chromium, Total Chromium, Nickel and Lead. Attached are analysis results as provided by Environmental Analysis, Inc. These results were phoned to you by the writer on August 25, 1982.

We are confident this information will allow the Agency to grant our petition. Should you, however, have any questions, please don't hesitate to contact this office.

Very truly yours,

M.F. Redington, Chief  
Energy & Environmental Engineer

Attachments  
/tec

bcc: M. F. Redington  
F. Blaine, Jr.  
R. J. Tubbs  
L. H. Brookshier  
M. L. Roark

RECEIVED  
JAN 25 1984  
ILL. E.P.A. - D.I.P.C.  
STATE OF ILLINOIS

Date 10-06-82  
Report No. 10523  
Lab No. 185-11  
P.O. No. EA-S0 2246-E

Mr. Mike Reddington  
OLIN CORPORATION  
Brass Division  
E & E Engineering  
East Alton, IL 62024

REPORT OF ANALYSIS  
-----

Subject: Analysis of waste samples performed in accordance with the Resource Conservation and Recovery Act 40 CFR; 261.24 - Characteristic of EP Toxicity; and Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980. pH of Samples less than one before analysis performed.

Sample Identification:

- #1 - Emergency Holding Lagoon Sludge #3, 3-10-82.
- #2 - Emergency Holding Lagoon Sludge #4, 3-10-82.

Results of Analysis:

	# 1	# 2
EP Toxicity, Test Method No.	261.24	261.24
Nickel, mg Ni/l	4.21	4.86

Respectfully submitted,

*R.M. Ferris*  
R. M. Ferris, Director

RECEIVED  
JAN 25 1984  
ILL. E.P.A. - D.I.P.C.  
STATE OF ILLINOIS

RECEIVED  
OCT 07 1982  
M. F. REDINGTON

3278 NO. LINDBERGH  
FLORISSANT, MO. 63033

PHONE  
1-314-921-4488

Date: 9-3-82  
Report No. 10341  
Lab No. 185-11  
P.O. No. EA-SO-3547-B

Mr. M. Reddington  
OLIN CORPORATION  
Brass Division  
E & E Engineering  
East Alton, IL 62024

### REPORT OF ANALYSIS

Subject: Analysis of waste samples performed in accordance with the Resource Conservation and Recovery Act 40 CFR; 261.24 Characteristic of EP Toxicity and Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980. All tests for Metals were performed by the method of Known Additions on the EP Extract obtained from the Zone 6, W-16 Emergency Holding Lagoon Sludge dated March 10, 1982, (Lab. No. 185-11).

#### Sample Identification:

- #1 - Direct determination of Lead Content.
- #2 - Sample diluted 10 ml/25 ml.
- #3 - 10/25 diluted sample + 0.40 mg Pb/l.
- #4 - 10/25 diluted sample + 0.80 mg Pb/l.

#### Results of Analysis:

	# 1	# 2	# 3	# 4
Lead, (total) mg Pb/l	1.23	1.20	1.18	1.27
Nickel, (total) mg Ni/l	4.24	4.38	4.45	4.33
Chromium (total), mg Cr/l	0.04	0.03	0.13	0.03
Chromium (hex), mg Cr/l	<0.005	<0.005	<0.005	<0.005

Respectfully submitted,

R. M. Ferris, Director

*Sample run for metals w/ no additions or modification  
diluted 10/25 mls  
corrected for dilution  
same test and mult by dilution factor*

*EA 101*